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SEP 29 2006

Appl. No.: 10/528,672

Amdt. Dated September 29, 2006

Response to Office Action Mailed May 30, 2006

## AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application.

1. (Currently Amended) A device for producing a gas-liquid mixture in the vicinity of cutting tools arranged on at least one cutter head (10) or cutter drum rotationally mounted on a cutter arm (5) of a cutting machine (1), comprising

at least one nozzle pair comprised of a nozzle (14) for ejecting a gas jet and a nozzle (13) for ejecting a liquid jet,

axes (17, 18) of the nozzles (13, 14) of a nozzle pair being oriented in a manner that the jets impinge on each other at a distance from outlet openings of said nozzles (13, 14), wherein

the axes (17, 18) of the nozzles (13, 14) of a nozzle pair form an angle with each other of between 45° and 135°,

a crossing point of the axes (17, 18) of the nozzles (13, 14) of a nozzle pair is located at a distance of less than 100 mm from the outlet opening of the gas nozzle (14), and  
outlet angles of liquid nozzles (13) amount to between 5° and 10°.

2. (Cancelled).

3. (Cancelled).

4. (Previously Presented) The device according to claim 1, wherein liquid nozzles (13) are designed as circular section jet nozzles whose outlet openings have diameters of about 1 mm.